

National
Assessment of
Educational
Progress

Presentation for the Arizona State Board of Education August 25, 2008

Carrie L. Giovannone, M.Ed. Arizona NAEP Coordinator

Arizona Reading & Writing Results, 2007

NAEP Reading Framework

Arizona
Reading
Content
Standard

Alignment Study February 25-27, 2008

Research Questions

- Which NAEP 2009 Reading Framework objectives are exact matches, partial matches, or not covered by the *current* Arizona Reading Standard performance objectives?
- In which grade(s) are the NAEP 2009 Reading Framework objectives taught in the current Arizona Reading Standard?

Participants

Raters were divided into two groups to compare AZ Reading Performance Objectives (POs) to the 2009 NAEP Reading Objectives

Elementary Group
Compared AZ Grades 1-4 to NAEP Grade 4

Intermediate Group
Compared AZ Grades 5-8 to NAEP Grade 8

Results – Elementary Group

- 43% were considered "no" matches or "weakly" covered
- 34% were considered "partial" matches
- 23% were "exact" matches

Results – Intermediate Group

- 65% were considered "no" matches or "weakly" covered
- 30% were considered "partial" matches
- 5% were "exact" matches

13% AZ POs not assessed by NAEP

Sub-Scales

Percentage of NAEP Reading Objectives that were not aligned with Arizona Performance Objectives

Grade 4 - Misalignment			
	Literary Text	33%	
	Informational Text	51%	
Grade 8 - Misalignment			
	Literary Text	50%	
	Informational Text	79%	

Example of Misalignment at the Elementary Level

NAEP Literary Text: Fiction

NAEP	AZ Standard
Choice of Different Forms of Poetry to Accomplish Different Purposes	Poetry is in strand 3 of Comprehending Literary Text of the Arizona Standard. Only the identification of poetic elements is required in Grade 3.

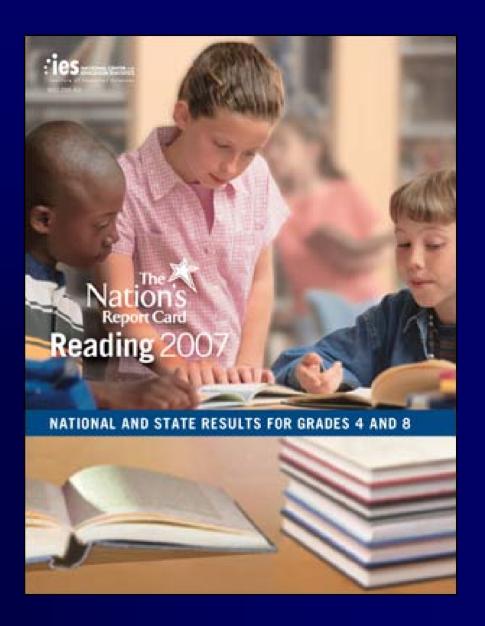
Example of Misalignment at the Intermediate Level

NAEP Informational Text

NAEP	AZ Standard
Argumentation & Persuasive - "Sarcasm"	Not found in Arizona Reading Standard

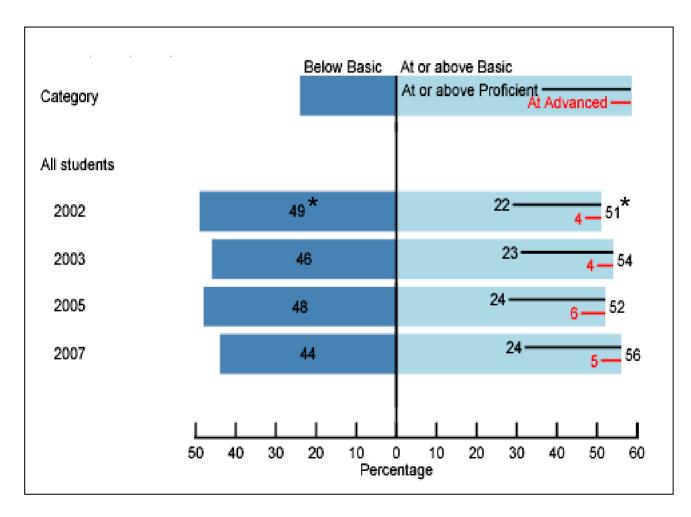
NAEP Results 2007

Reading



Grade 4 Reading

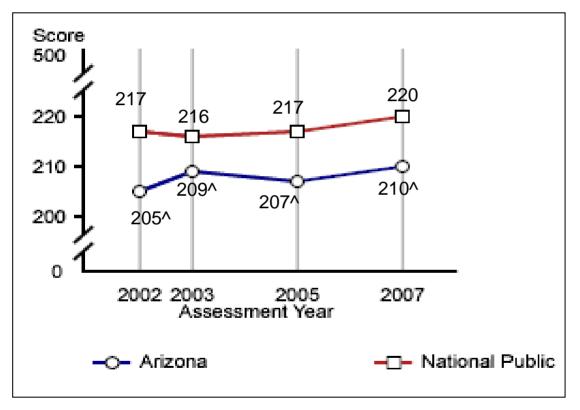
Upward Shift in Achievement Levels!



A significant upward shift can be seen in the "Below Basic" and "At or Above Basic" achievement levels since 2002!

Grade 4 Reading

Scale Scores



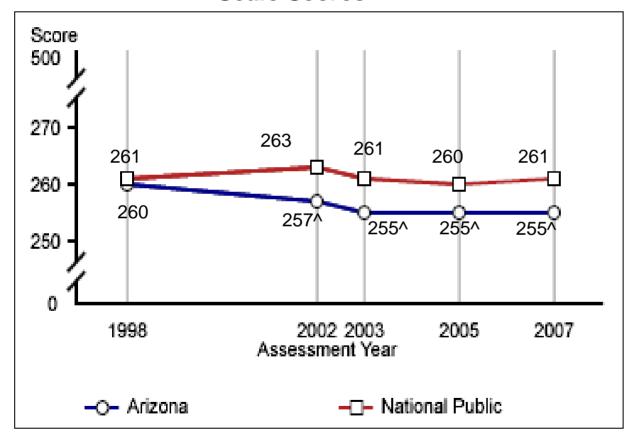
The 2007 average reading score for Arizona Grade 4 students was 210. This score is relatively the same as past NAEP administrations.

Reading scale ranges from 0 to 500.

[^] Indicates significantly different from the Nation

Grade 8 Reading

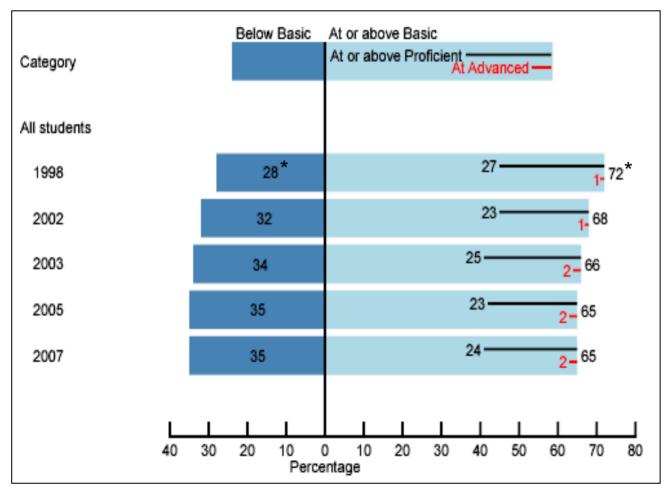
Scale Scores



Grade 8 reading scores remain stable since 2003 in Arizona.

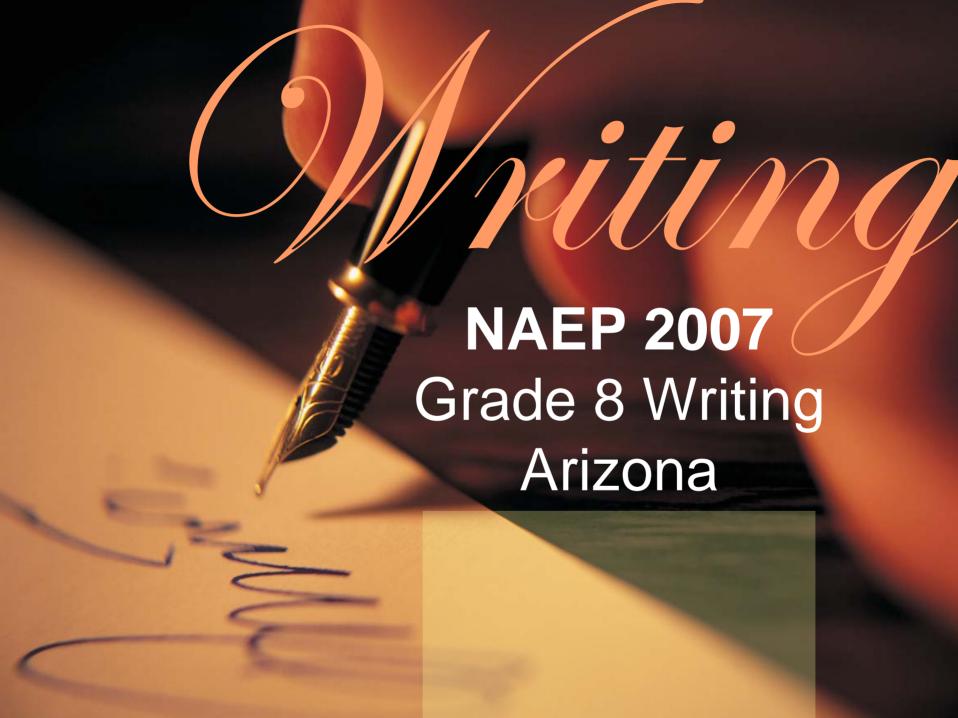
[^] Indicates significantly different from the Nation

Grade 8 Reading



Arizona Grade 8 students showed a significant downward shift in Below Basic and At or Above Basic achievement levels from 1998.

^{*} Indicates significantly different from AZ 2007



Writing Writing Framework

NAEP Arizona Content Standard

Qualitative Alignment Study February 27-29, 2008

Research Questions

- 1. How much, if any, alignment exists between the current Arizona Writing Standard and the 2011 NAEP Writing Framework?
- 2. How much, if any, alignment exists between the current Arizona Writing Standard and the 2011 NAEP Writing Framework by *Grade 4*?
- 3. How much, if any, alignment exists between the current Arizona Writing Standard and the 2011 NAEP Writing Framework by *Grade 8*?

Participants

Raters were divided into three groups to compare the current AZ Writing Standard to the 2011 NAEP Writing Framework

K - 12 Group

Compared AZ Grades 1-12 to NAEP Framework

Elementary Group

Compared AZ Grades 1-4 to NAEP Grade 4

Intermediate Group

Compared AZ Grades 5-8 to NAEP Grade 8

Overall

Terminology

Technology

Timed writing

Elementary - Misalignment

- Terminology references are problematic between the two documents.
 - NAEP promotes "reader awareness" whereas the AZ Standard teaches "audience awareness."
 - Organizing complex "reflective" or "imaginative" responses is not found in the AZ Standard.
- NAEP assesses on-demand writing under time constraints (e.g., 25 minutes).

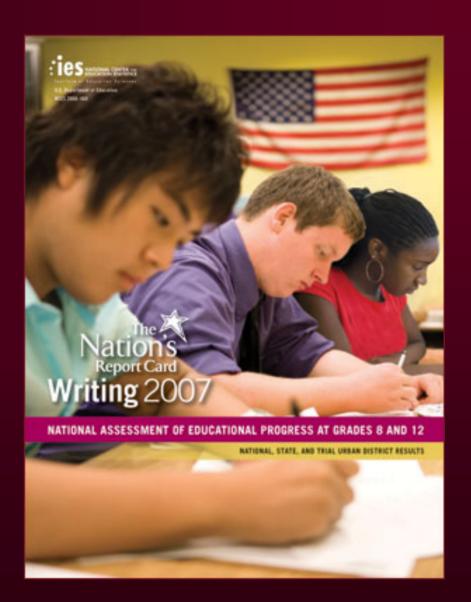
Intermediate - Misalignment

- Terminology references are problematic between the two documents.
 - AZ Standard does not stress using literary devices as supporting details to support the main idea as is assessed in NAEP.
 - NAEP assesses critical thinking yet the AZ Standard doesn't explicitly include this terminology.
- The use of technology is a large component in the NAEP Framework and is only mentioned as an editing tool in the AZ Standard.
- NAEP assesses on-demand writing under time constraints (e.g., 25 minutes).

21

NAEP Results 2007

Writing

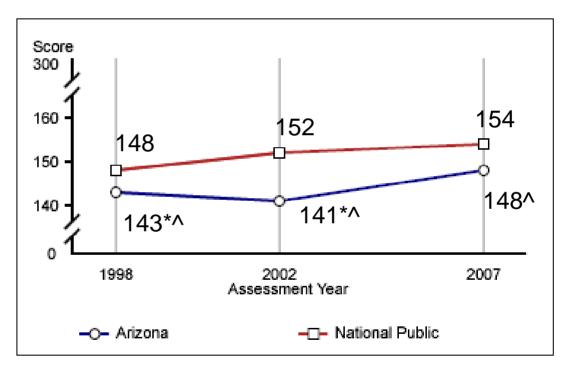


Grade 8 Writing

Higher Scale Scores!

The 2007 average writing score for Arizona Grade 8 students was 148.

This score is significantly higher than past NAEP administrations!



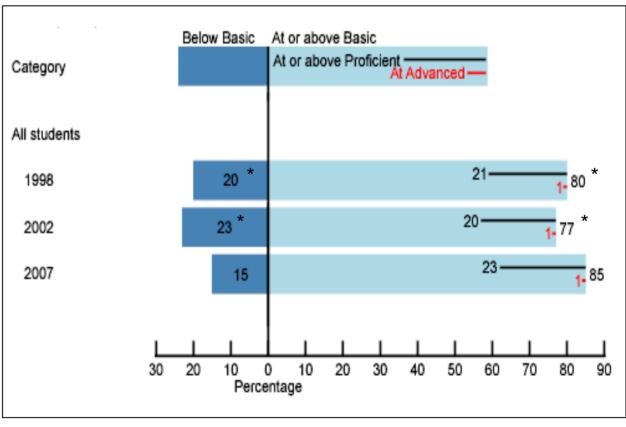
Writing scale ranges from 0 to 300.

- ^ Indicates significantly different from the Nation
- * Indicates significantly different from AZ 2007 score.

Grade 8 Writing

Upward Shift in Achievement Levels!

There was an upward shift in achievement levels from 2002 to 2007, both in the Below Basic and Basic and Above!



Writing scale ranges from 0 to 300.

^{*} Indicates significantly different from AZ 2007 score.

Rate of Change (Growth) Comparisons across States

Arizona White Students	2 nd in the nation (2 nd out of 38 states)
Arizona Hispanic Students	6 th in the nation (6 th out of 22 states)
Arizona Low SES	7 th in the nation
Students	(7 th out of 38 states)



Carrie L. Giovannone
Carrie.Giovannone@azed.gov
602-542-5031